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PREAMP CAGE
KIT ASSEMBLIES
MODELS 11-1202-15, -19, -22, -25, -26, & -28

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MANUAL PART NO.
11-801202-XX

PREAMP CAGE
KIT ASSEMBLIES
MODELS 11-1202-15, -19, -22, -25, -26, & -28

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Gould Inc., Recording Systems Division
3631 Perkins Avenue, Cleveland, Ohio 44114

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WARRANTY

CURRENT EQUIPMENT:

Gould Inc.'s Recording Systems Division's products as shown in the Current Equipment Catalog are warranted for a period of one year from date of shipment to original purchaser. Exceptions: the thermal pen in the 110 Strip Chart Recorder is guaranteed for life; the magnetic head assemblies in the Tape Recorder are warranted for 1000 hours of use or one (1) year from date of first shipment whichever occurs first; and the mainframe computer for Data Acquisition Systems and their associated software programs are warranted for 90 days.

Gould's products are warranted to conform to the applicable published specifications in effect at the time of shipment, and to be free from any defects in material or manufacture when used with recommended Gould associated equipment and Gould chart paper. GOULD'S LIABILITY UNDER SUCH WARRANTY IS LIMITED TO SERVICING OR REPLACING DEFECTIVE PARTS EXCEPT PENS, STYLI, FUSES AND BATTERIES AND DOES NOT INCLUDE CALIBRATION AND MINOR MAINTENANCE AS OUTLINED IN GOULD OPERATING MANUALS. IN NO EVENT SHALL GOULD BE LIABLE UNDER ANY CIRCUMSTANCES, FOR ANY LOSS OF PROFITS OR OTHER CONTINGENT, CONSEQUENTIAL OR SPECIAL DAMAGES. All products are to be returned transportation prepaid by the buyer. Gould reserves the right to determine the cause and existence of a defect under this warranty and this warranty shall not apply to any products which have been subjected to misuse, improper installation, repair, alteration, neglect, accident, inundation, fire or operation outside their published maximum ratings.

THE FOREGOING WARRANTY IS EXCLUSIVE AND EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES WHETHER EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS AND OF ANY OTHER OBLIGATION AND SHALL CONSTITUTE THE SOLE REMEDY OF THE BUYER AND SOLE LIABILITY OF GOULD.

Gould offers an Extended Warranty Agreement for all its products, along with calibration traceable to NBS. Please contact the Service Center listed on the following pages for details before your warranty expires.

REPLACEMENT PARTS: Warranty is same as above except ninety (90) days from date of shipment.

If a defect occurs:

1. Notify your nearest Gould Service Center giving full details of the difficulty, and include the product model number, and serial number. On receipt of this information, service data or shipping instructions will be provided.

Compliance with the above procedure will assure the earliest repair and return of your equipment.

5/22/84

Gould instruments are individually tested and calibrated before shipment to assure dependability and verify their accuracy. To this procedure must be added an unseen ingredient of prime importance to you: The Gould concept of continuing service. Gould responsibility for each instrument sold covers far more than its delivery. Of equal concern is the equipment's suitability for its intended purpose, its correct installation, instruction of operating personnel -- plus future servicing and maintenance. The Gould Field Service Department offers customers any or all of these services:

Field Service

- o Installation
- o Field maintenance
- o NBS Certification

Training

- o Instruction of operators
- o On-site training seminars
- o Formal Training courses

Service Contracts

- o Fixed Fee
- o Time and Material
- o Extended Warranty

Our Seal of Pride Gould Inc., Recording Systems Division, and its predecessor organizations tracing back to Charles F. Brush, have been preeminent in instrumentation development since the 1920's. Among Gould's many achievements is a series of the world's best performing, most versatile, and reliable direct writing recording systems.

Today, Gould recorders and signal conditioners are the overwhelming choice for recording analog signals in the most critical industrial, scientific, and biophysical measurement applications. Whether recording the faintest life signals of a patient in a hospital operating room or the most critical variables in the lab or on the production line, you can depend on the accuracy, faithfulness, clarity, and permanence of the traces made by a Gould recorder.

Innovative design, coupled with highest quality, are hallmarks of all Gould products.

The Field Service Engineer Gould field service engineers provide on-the-spot assistance whenever and wherever it is required. While every field service engineer is the product of intensive and thorough factory training, you will find that his greatest strength evolves from field experience and his knowledge of your objectives. He is aware of your problems, is willing and able to assist you in their solution, and is backed by the nation's most experienced organization in recording instrumentation.

Our field service engineers and technicians are daily engaged in the installation, testing, maintenance, repair and inspection of Gould recording systems all over the country. They can provide you with any information about our instruments you may require; if not, they will find the answer to your problem.

Overhaul and Repair Because we service only our own products, our customers can feel confident of prompt, effective results when they turn to Gould Factory Service Centers.

The repair service these centers provide is of particular appeal to those companies that do not operate an instruments repair facility of their own. By designating the nearest Gould Service Center as its maintenance depot, a Gould-equipped company is assured the best chance for continuity of recording instrumentation.

Many companies with their own repair facilities find it more convenient and more truly economical to have their Gould equipment repaired by service contract with the closest Service Center. In addition to enjoying fast turn-around, these companies are spared the expense of carrying an inventory of recorder parts, accessories, and supplies.

Calibration and Certification A small, quiet room in the Standards and Calibration Section at the Gould plant in Cleveland contains precision reference standards just one step removed from the prime reference measurement standards of the United States – at the National Bureau of Standards in Washington. Included in this room which is temperature-controlled within one degree and has a constant relative humidity of 40%, are standards for voltage, frequency (derived from the atomic vibration of caesium), resistance, capacitance -- in fact all basic parameters of electrical measurement. The room is maintained under stabilized conditions 365 days a year.

The calibration practice of all Gould Service Centers is directly traceable to the National Bureau of Standards. We can supply complete calibration for any Gould equipment, and we can also certify to manufacturer's specifications followed by a letter of certification when required.

Training The Gould field service engineer will hold short training courses either on the job or at his facility. On-the-job training is usually a brief, informal session with the people who will actually be operating the Gould equipment.

Formal classroom training is more complete: detailed information, a thorough review of underlying theory, training devices, demonstration of problem solving and examination of students to determine their understanding and proficiency is accomplished at our Cleveland plant.

Contracts Customer companies requiring temporary or permanent service are afforded contract arrangements by which agreed-upon maintenance, repair, upgrading and calibration services are performed on a routine basis. Service contracts are now in effect with a number of customers, affording substantial savings in time and money.

Owing to the various requirements of each customer, we do not reproduce here a standard, boilerplate agreement -- which might contain too much or too little. Instead, we tailor each contract to a particular customer's needs. This practice has singlehandedly produced substantial savings in time and money for others; and it can do the same for you.

An extended warranty is available at the point of sale allowing a regulated budget for the first two years of ownership. You may take advantage of this warranty within the first year of ownership at a percentage of the current listed price.

SERVICE CENTERS

ATLANTA
RECORDING SYSTEMS DIVISION
1710 Wilwat Drive, Suite D
Norcross, Georgia 30093
Phone: (404) 441-5556

BOSTON
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Middlesex Technical Center, Building No. 5
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Billerica, Massachusetts 01821
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GOULD INSTRUMENTS GMBH
Dieselstrasse 5-7
D-6453 Seligenstadt,
West Germany
Phone: 06182-3107

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PRE-AMP CAGE
KIT ASSEMBLIES
FOR RACK MOUNT UNITS

1.1 SCOPE

This manual contains the description, model numbers, installation procedure, and illustrated parts breakdowns of the Gould series of Pre-Amp Cage Kit Assemblies that house Gould 4600 Series Pre-Amplifiers. Wiring diagrams showing pre-amp to recorder wiring are found at the end of the manual. 292226 covers 11-1202-15, 19 and 22; 292500 covers -25 and 28; 292598 is for -26.

1.2 DESCRIPTION

Gould Pre-Amp Cages (Figure 1-1, Model 11-1202-15 shown) are designed for rack mounting purposes and are included with 2600 or 2800 series rack mount recorders and Gould 200 1704 Series Recording Systems when 4600 Series Pre-Amps are specified. Each cage will house up to 8 amplifiers.

Each Pre-Amp Cage allows for direct hook-up from the amplifier outputs to the recorder via cable and connectors. Access to the amplifier inputs are thru the round holes on the pre-amp cage rear panel.

A barrier strip (terminal block) for the purpose of monitoring amplifier outputs is located behind each amplifier slot. The terminal blocks (8) are mounted on rack slides. Each terminal block is wired to its respective amplifier's output.

Figure 1-2 provides outline dimensions for all models other than portable, which is shown in Figure 1-2A.

1.3 MODEL NUMBERS

This manual covers 5 models as follow:

MODEL NUMBER	USAGE
11-1202-15	Vertical Mounting Cabinet
11-1202-19	Low Boy Cabinet
11-1202-22	Slope Front Cabinet
11-1202-25	Flip-Top, 8 channel
11-1202-26	Flip-Top, 6 channel
11-1202-28	ES 1000

FIGURE 1-1 GOULD PRE–AMP CAGE, MODEL 11-1202-15

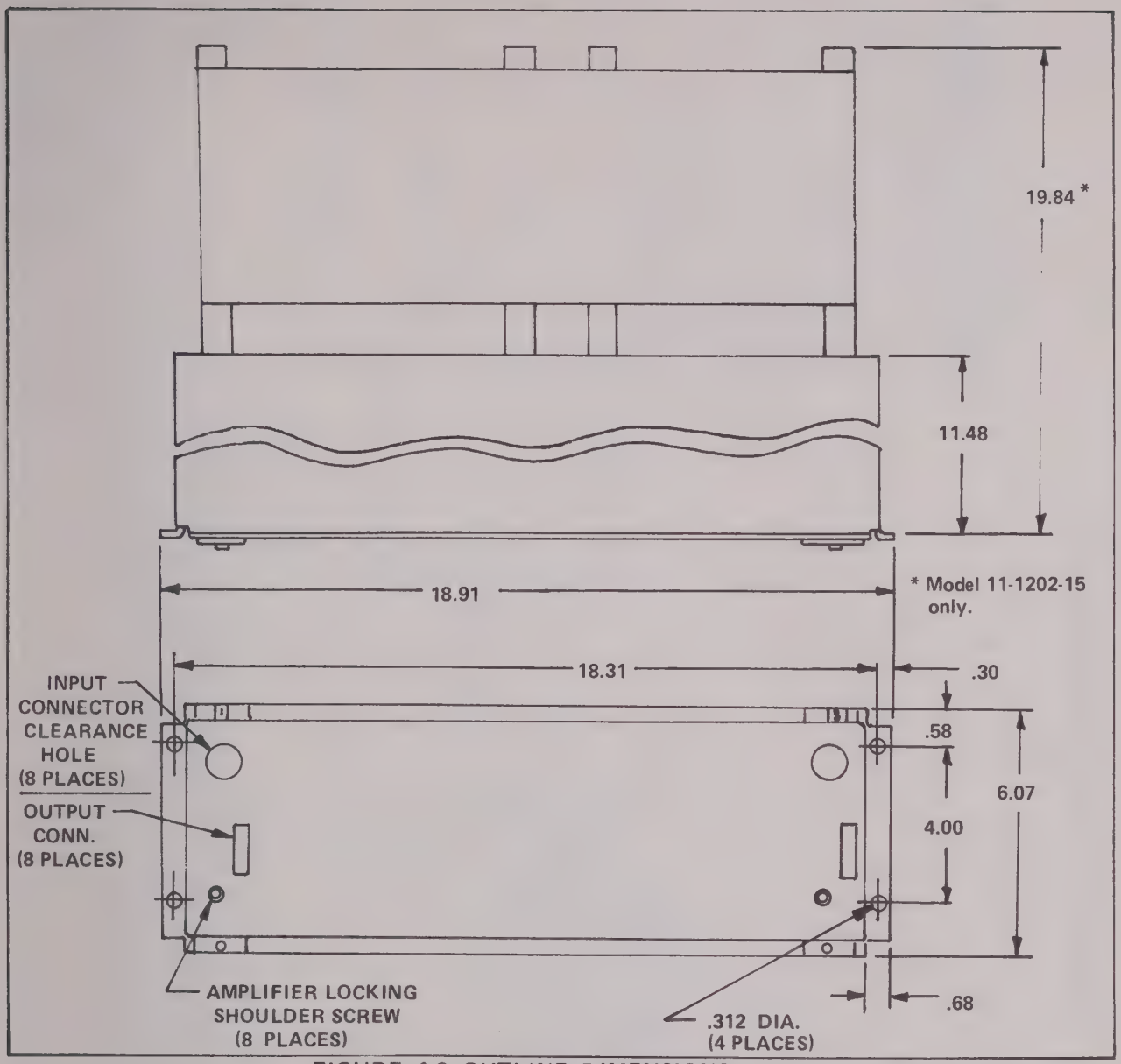

FIGURE 1-2 OUTLINE DIMENSIONS

1.4 INSTALLATION PROCEDURE

a. Mechanical

The pre-amp cage should be mounted directly over the recorder in 19 inch wide (RETMA) racks. For installation regarding vertical configurations see Figure 1-3. Figure 1-4 pertains to installation for Low Boy or Slope Front configurations.

b. Wiring

1. Refer to wiring diagrams at rear of manual. 292226 covers 11-1202-15, 19 and 22; 292500 covers 11-1202-25 and 28; 292598 is for -26.
2. Pre-amp cage output connectors are wired to connectors P-203 and P-204 per Table on wiring diagram. P-203 and P-204 mate with J-103 and J-104 on recorder.
3. The pre-amp cage provides for amplifier outputs to be monitored as a user option. To achieve this each channel has its own terminal block located behind the pre-amp cage. The terminal blocks (TB-201 thru TB-208) are wired from the amplifier output connectors as shown on the wiring diagram. Consult the applicable amplifier schematic for available outputs.

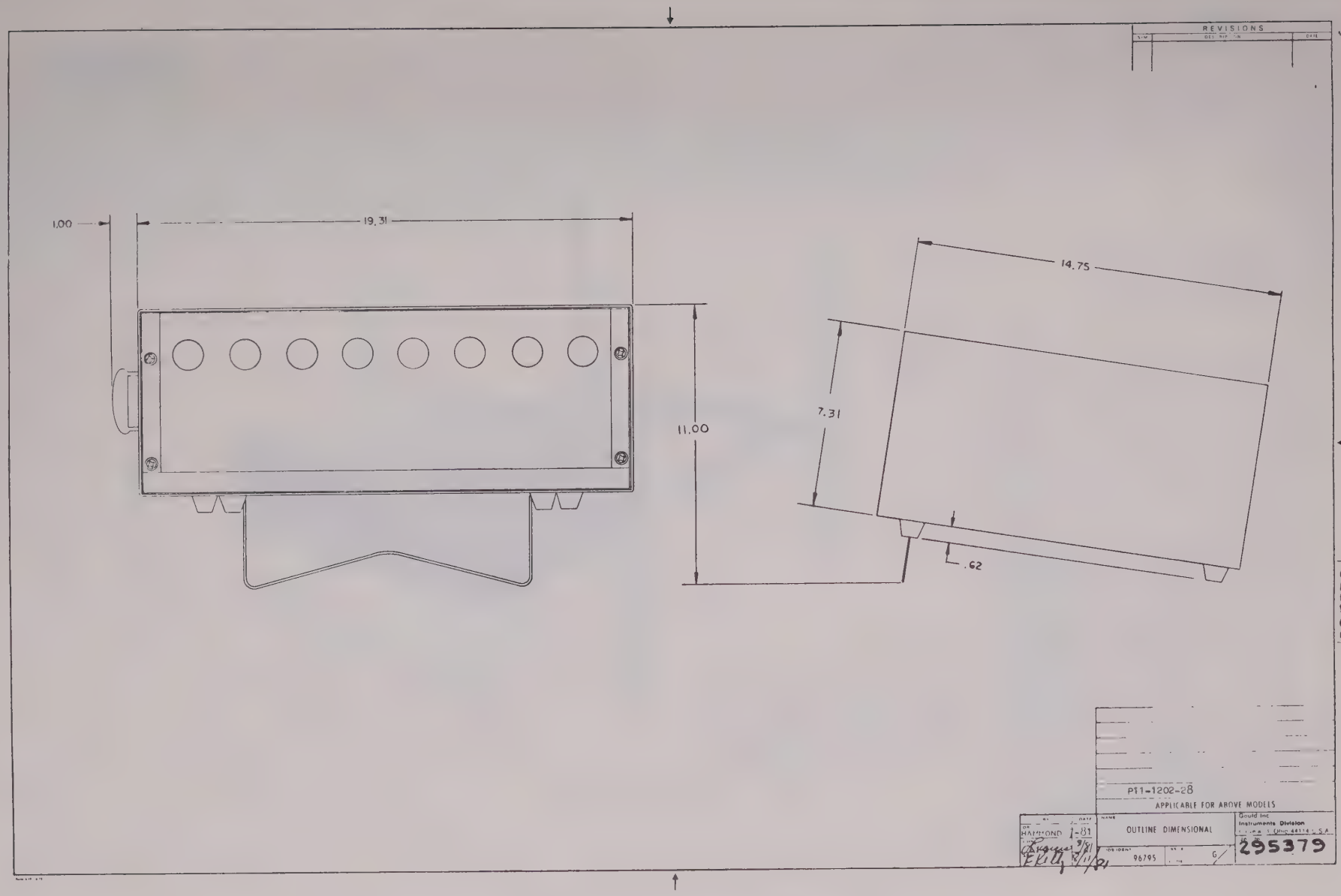

FIGURE 1-2A OUTLINE DIMENSIONS, PORTABLE

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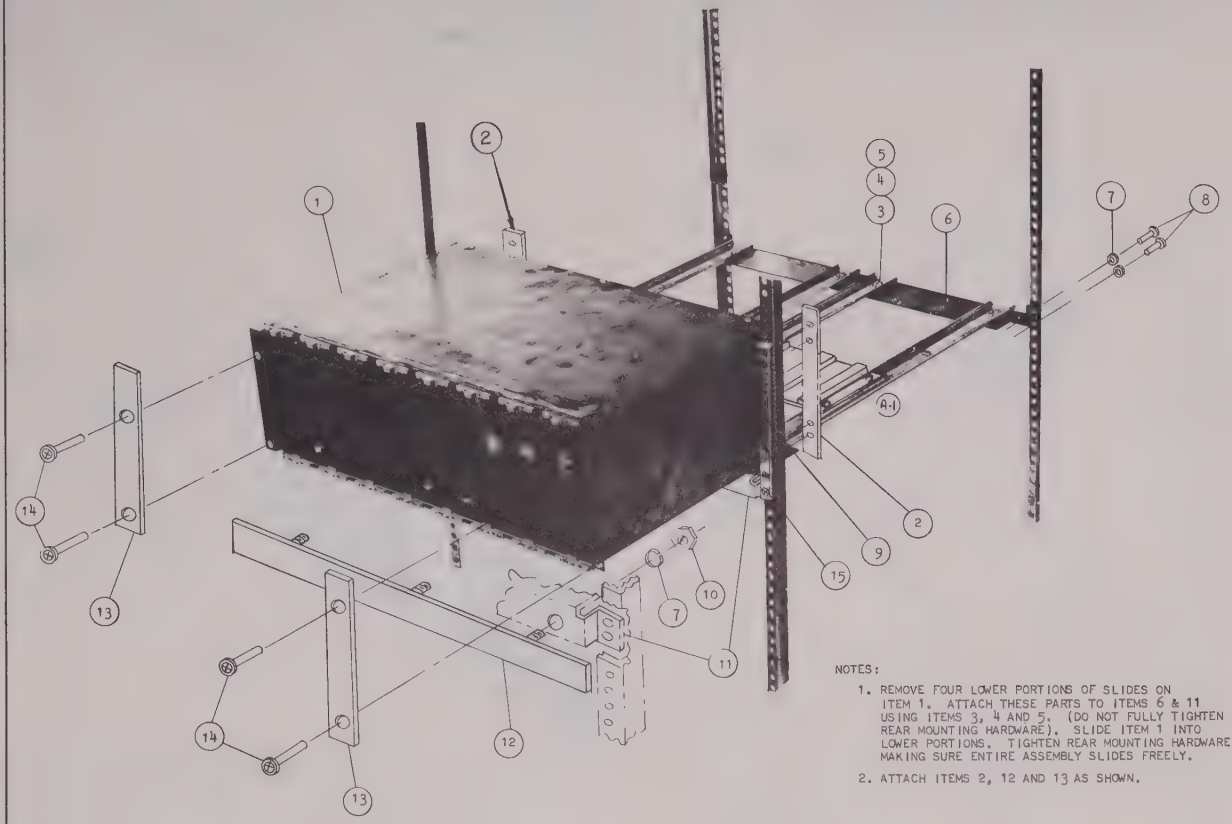
REV. A-1



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NOTES:

1. REMOVE FOUR LOWER PORTIONS OF SLIDES ON ITEM 1. ATTACH THESE PARTS TO ITEMS 6 & 11 USING ITEMS 3, 4 AND 5. (DO NOT FULLY TIGHTEN REAR MOUNTING HARDWARE). SLIDE ITEM 1 INTO LOWER PORTIONS. TIGHTEN REAR MOUNTING HARDWARE MAKING SURE ENTIRE ASSEMBLY SLIDES FREELY.
2. ATTACH ITEMS 2, 12 AND 13 AS SHOWN.

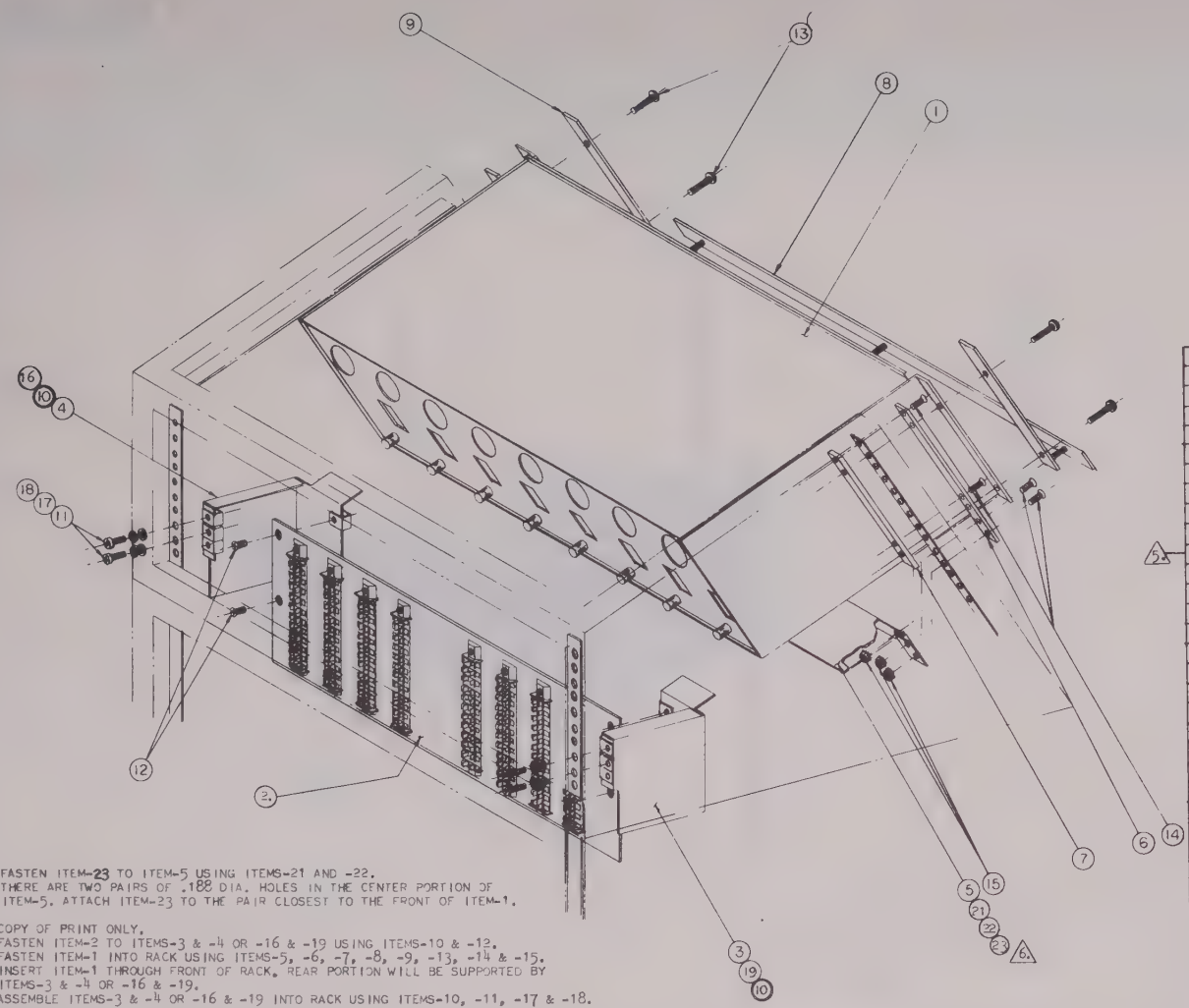
NO	BRUSH PART NO	DESCRIPTION	QUAN
30			
29			
28			
27			
26			
25			
24			
23			
22			
21			
20			
19			
18			
17			
16	687319	SHIPP. LIST & INSTALL. INST.	1
15	31-119920-0208	SCREW	8
14	248352-0218	SCREW	4
13	687539	PANEL ASS'Y.	2
12	787542	PANEL ASS'Y.	1
11	487538	BRACKET, MTG. FRONT	1
10	31-119998-02	NUT	3
9	287541	BAR, SPACER	2
8	31-119918-0208	SCRFW	4
7	1-216741-430	LOCKWASHER	7
6	487540	BRACKET, MTG. - REAR	1
5	31-119918-8206	SCREW	16
4	31-119998-82	NUT	16
3	1-216741-425	LOCKWASHER	16
2	269625	NUT PLATE	2
1	11-1202-15	KIT ASS'Y., PRE-AMP CAGE	1

SHIPPING LIST

BY	DATE	NAME	Gould Inc Instrument Systems Division Cleveland, Ohio 44114 U.S.A.
D. CZECH	7/24/75	SHIPPING LIST & INSTALLATION INSTRUCTIONS	
CH			
	7/25/75	CODE IDENT 96795	ISSUE CODE G
			DWG 687319

FIGURE 1-3 INSTALLATION INSTRUCTIONS, VERTICAL CABINETS

REV. A-2



REQD	REQD	NO	BRUSH PART NO.	DESCRIPTION
		30		
		29		
		28		
		27		
		26		
		25		
		24		
1	1	23	294469	SPACER
2	2	22	31-119920-8210	SCREW, FLAT HD.
2	2	21	243898-02	NUT ASS'Y.
1	1	20	692782	SHIP. LIST & INSTALL INSTR.
1	-	19	392779	BRACKET, RIGHT
4	4	18	1-118192-309	WASHER, FLAT
4	4	17	1-216741-430	LOCKWASHER
1	-	16	392780	BRACKET, LEFT
7	7	15	243898-02	NUT ASSY.
8	8	14	31-119920-0208	SCREW, FLAT HD.
4	4	13	248352-0218	SCREW, PAINTED
6	6	12	31-119920-0210.	SCREW, FLAT HD.
4	4	11	31-119918-0208	SCREW
12	12	10	245244-02	NUT, FLOATING
2	2	9	687539	PANEL ASSY.
1	1	8	787542	PANEL ASSY.
2	2	7	269625	NUT PLATE
2	2	6	287541	BAR, SPACER
1	1	5	487538	BRKT. MTG., FRONT
-	1	4	392778	BRACKET, LEFT
-	1	3	392775	BRACKET, RIGHT
1	1	2	788897	PLATE ASSY.
1	1	1	11-1202-19	KIT ASSY. PREAMP. CAGE
REQD	REQD	NO	SHIPPING LIST	
-2	-1			
11-1202-22	11-1202-19			

BY CLARK 3/79 — DATE 3/79 — 9/79

NAME: SHIPPING LIST & INSTALLATION INSTRUCTIONS

CODE IDENT 96795 — ISSUE G

Gould Inc Instruments Division Cleveland, Ohio 44114 U.S.A.

DWG 692782

NOTES:

6. FASTEN ITEM-23 TO ITEM-5 USING ITEMS-21 AND -22. THERE ARE TWO PAIRS OF .188 DIA. HOLES IN THE CENTER PORTION OF ITEM-5. ATTACH ITEM-23 TO THE PAIR CLOSEST TO THE FRONT OF ITEM-1.
5. COPY OF PRINT ONLY.
4. FASTEN ITEM-2 TO ITEMS-3 & -4 OR -16 & -19 USING ITEMS-10 & -12.
3. FASTEN ITEM-1 INTO RACK USING ITEMS-5, -6, -7, -8, -9, -13, -14 & -15.
2. INSERT ITEM-1 THROUGH FRONT OF RACK. REAR PORTION WILL BE SUPPORTED BY ITEMS-3 & -4 OR -16 & -19.
1. ASSEMBLE ITEMS-3 & -4 OR -16 & -19 INTO RACK USING ITEMS-10, -11, -17 & -18.

FIGURE 1-4 INSTALLATION INSRUCTIONS, LOWBOY & SLOPE FRONTS CABINETS

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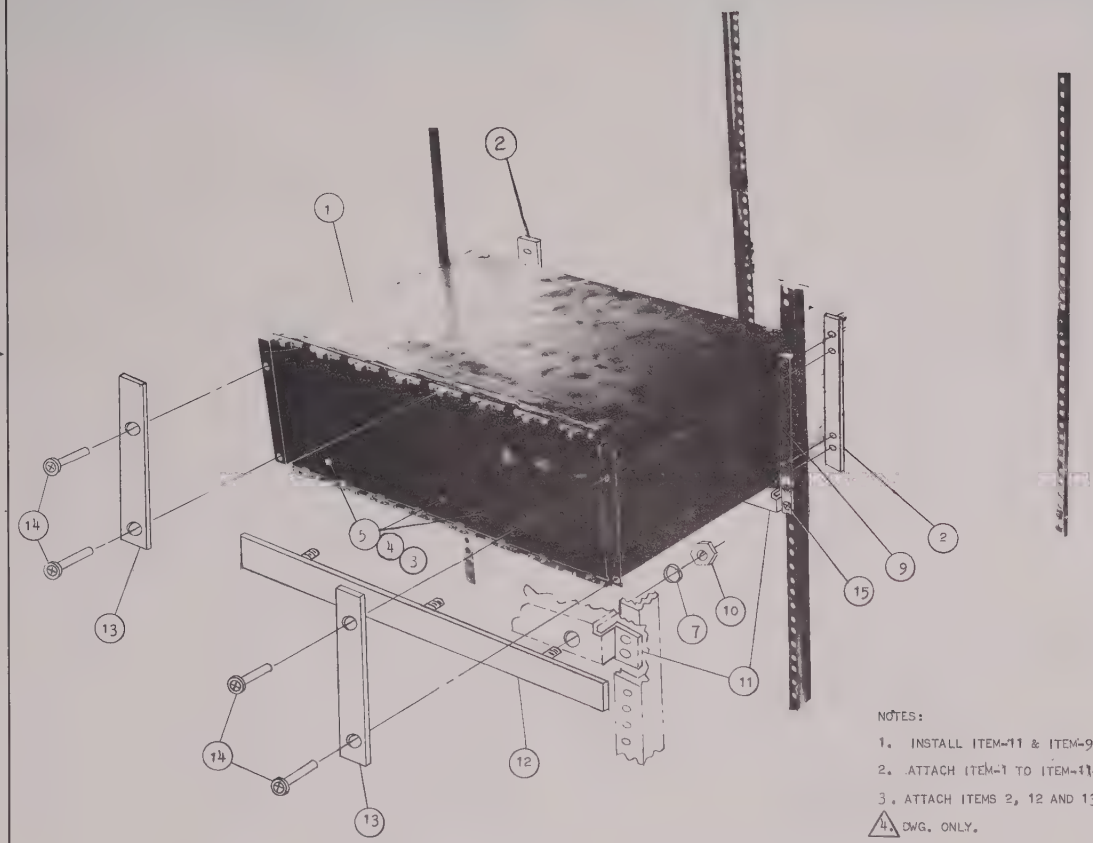
REFRO 687319 REVISIONS

SYM	DESCRIPTION	DATE	APPROVAL
A-1	REVISED PER DCN 28234/A, SOTEROS	6-17-81	



NOTES:

1. INSTALL ITEM-11 & ITEM-9.
2. ATTACH ITEM-1 TO ITEM-11.
3. ATTACH ITEMS 2, 12 AND 13 AS SHOWN.
4. DWG. ONLY.

NO.	BRUSH PART NO.	DESCRIPTION	QUAN
30			
29			
28			
27			
26			
25			
24			
23			
22			
21			
20			
19			
18			
17			
4. 16	R11-1202-28	PRE-AMP CAGE, RACK MOUNT	1
15	31-119920-0208	SCREW	8
14	248352-0218	SCREW	4
13	687539	PANEL ASS'Y.	2
12	787542	PANEL ASS'Y.	1
11	495221	BRACKET, MTG. FRONT	1
10	31-119998-02	NUT	3
9	287541	BAR, SPACER	2
8	31-119918-0208	SCREW	4
7	1-216741-430	LOCKWASHER	7
6			
5	31-119918-6205	SCREW	4
4	31-119998-62	NUT	4
3	1-216741-420	LOCKWASHER	4
2	269625	NUT PLATE	2
1	11-1202-28	KIT ASS'Y., PRE-AMP CAGE	1

BY	DATE	NAME	Gould Inc. Instrument Systems Division Cleveland, Ohio 44114 U.S.A.
DR SWARTZ	12/5/80	PRE-AMP CAGE ASS'Y., RACK-MOUNT	
CH			DWG NO. R11-1202-28
APP	12/8/80	CODE IDENT 96795	ISSUE G
			PROD. ASS'Y.

R11-1202-28

1.4A

Form 25 3-71

81

FIGURE 1-4A INSTALLATION INSTRUCTIONS, RACK MOUNT (MODEL R11-1202-28)

1.5 PARTS IDENTIFICATION

The following parts list and illustration is designed to assist in servicing or repairing the Pre-Amp cage. For replacement parts refer to the list and Figure 1-5. The items listed do not necessarily imply they are procurable. If an item is marked with a obelisk (†), it is not procurable. Order instructions will be given on the bottom of the page where an obelisk (†) appears.

(A-P) is short for attaching parts. Attaching Parts are hardware required (but not illustrated) to attach previous listed item to illustrated assembly.

To assure prompt and satisfactory delivery of replacement parts, include the following information with your purchase order.

1. Name and model number of instrument.
2. Description of part as listed in this manual.
3. Gould part number.

NOTE: Do not use SYMBOL NUMBER from the parts list for identifying desired parts on the order.

GOULD PRE-AMP CAGE
MODELS 11-1202-15, 11-1202-19, 11-1202-22, 11-1202-25, 11-1202-26, & 11-1202-28
FIGURE 1-5

ITEM NUMBER	PART NUMBER	DESCRIPTION	SYMBOL NUMBER
1	487553	Enclosure, Pre-Amp	
2	788896	**Harness Assy	
	†887652	Panel Assy, Rear [895199] (892767 on 11-1202-26) (A-P)	
	13-262716-8204	Screw, Self-Tapping	
		-----*-----	
3	887551	Panel Subassy [892394] (892653 on 11-1202-26)	
4	232660-7	Clamp (232660-6 on 11-1202-26) (A-P)	
	1-118195-304	Washer	
	1-216741-411	Lockwasher	
	31-119918-4005	Screw	
		-----*-----	
5	286052	Screw, Shoulder (A-P)	
	262565-2	Washer, Flat (between screw head and panel)	
	0-240731-10	Ring, Retaining	
		-----*-----	
	887600	Harness Assy [892396] (892695 on 11-1202-26) (A-P)	
	1-216741-411	Lockwasher	
	31-119918-4005	Screw	
	31-119918-4008	Screw	
		-----*-----	
6	265840-1	**Lug	
7	241026-2	Term. Lug	
8	241026-4	Term. Lug	
9	270153-2	Contact, Elect	
10	270155-1	Connector, Elect	P-203, P-204
11	1-283408-1	Contact, Elect [1-283408-1 & -2] (ditto 11-1202-26)	
12	286410-16	Connector	XA201 thru XA208
13	690957	Lead Assy [691979] (not required on 11-1202-26)	
14	265814-13	Barrier Strip [288490-1] (ditto -26) (A-P)	TB-201 thru TB-208
	13-262716-6206	**Screw, Self-Tapping	
	31-129175-4008	Screw, Mach. - Fil. Hd.	(-25, -26 and -28 models only)
	31-119998-40	Nut, Hex	
	1-216741-411	Lockwasher, Spring	
		-----*-----	

† Panel Assemblies not procurable. Use indented parts.

**This part not used on Models 11-1202-25, 11-1202-26 and 11-1202-28.

NOTE: Brackets [ ] indicate P/N's used, instead of the listed P/N, on Models 11-1202-25 & -28.

GOULD PRE-AMP CAGE
MODELS 11-1202-15, 11-1202-19, 11-1202-22, 11-1202-25, 11-1202-26, & 11-1202-28
FIGURE 1-5 (Continued)

ITEM NUMBER	PART NUMBER	DESCRIPTION	SYMBOL NUMBER
*15	269569-1	Slide, Pair (A-P)	
	13-262716-8204	Screw, Self-Tapping	
		-----*-----	
†16	788897	**Plate Assy (A-P)	
	13-262716-8204	Screw, Self Tapping (Model 11-1202-15 only)	
	31-119920-0210	Screw, Flat Head (Models 11-1202-19 & -22)	
		-----*-----	
17	386058-2	Guide, Pre-Amp	
18	786056-1	Guide, Engraved	
19	786056-2	Guide, Engraved	
20	786056-3	Guide, Engraved	
21	786056-4	Guide, Engraved	
22	786056-5	Guide, Engraved	
23	786056-6	Guide, Engraved	
24	786056-7	Guide, Engraved } Not required on 11-1202-26	
25	786056-8	Guide, Engraved }	
		(A-P) for items 17 thru 25	
	13-262716-2604	Screw, Self-Tapping	
		-----*-----	
26	294036	Support (Model 11-1202-25 & -26 only) (located under item 1) (A-P)	
	31-119918-6204	Screw	
		-----*----	

* Slide, Pair (Item 15) used on Model 11-1202-15 only.
† Plate Assy mounted as shown on Model 11-1202-15 and vertically mounted behind Pre-Amp enclosure on Models 11-1202-19 and 11-1202-22. See Figure 1-4.
** This part not used on Models 11-1202-25, 11-1202-26 and 11-1202-28.

PORTABLE P11-1202-28 EXTRA PARTS

Note: In addition to the preceding parts for 11-1202-28, the Portable Cage Assembly Number P11-1202-28 also has the following parts:	
895669	Case Assembly, Portable
495221	Bracket, Mounting, Front
787542	Panel Assembly (Front, lower) (A-P)
243898-02	Nut, Assembled - Lockwasher
	-----*-----
687539	Panel Assembly (Front, sides) (A-P)
248352-0218	Screw
	-----*-----
Also, the following parts are used to attach the 11-1202-28 Preamp Cage Assembly to the above case assembly and mounting bracket.	
	(A-P)
31-119918-6208	Screw
243898-62	Nut, Assembled - Lockwasher
31-119918-0206	Screw
	-----*-----

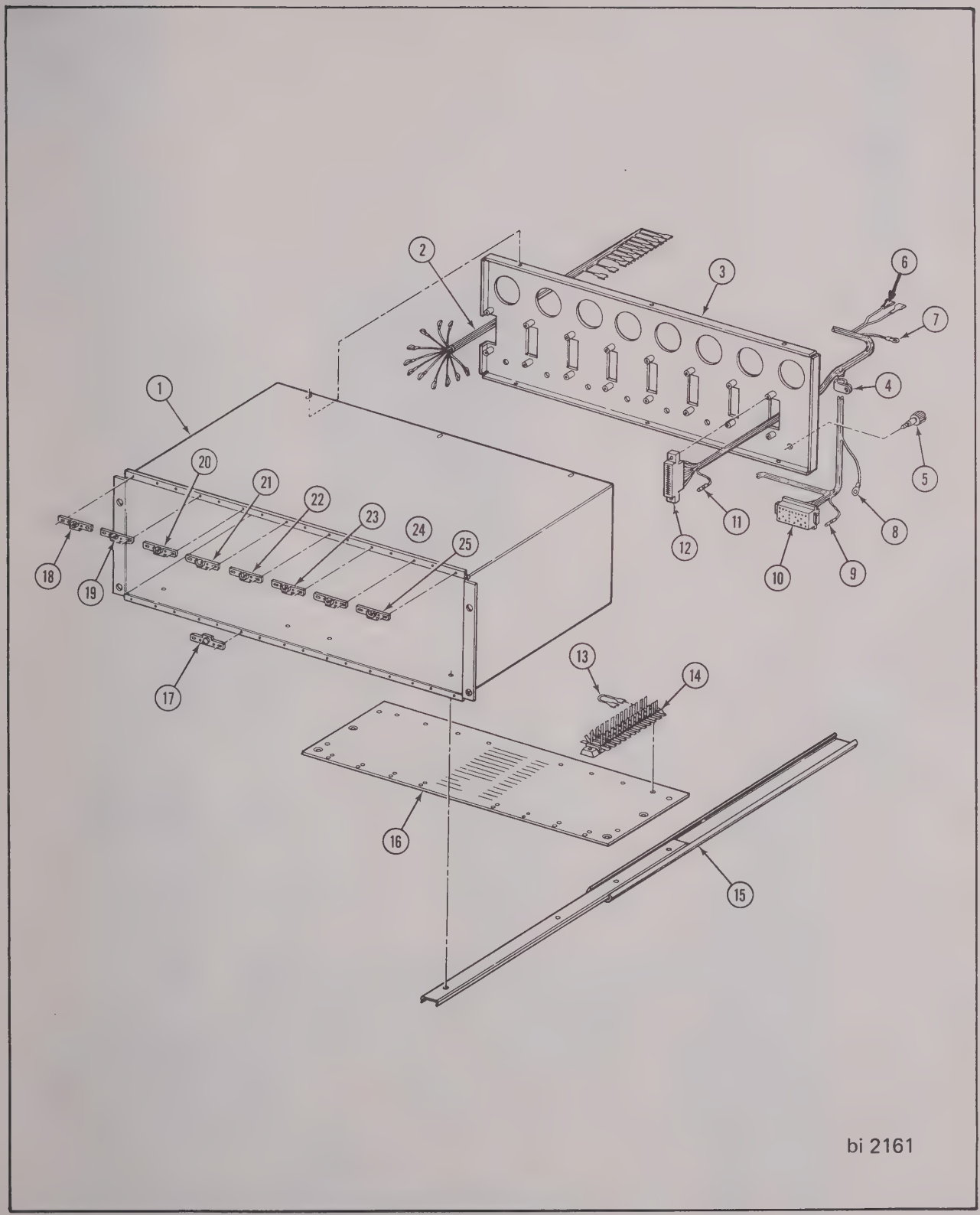
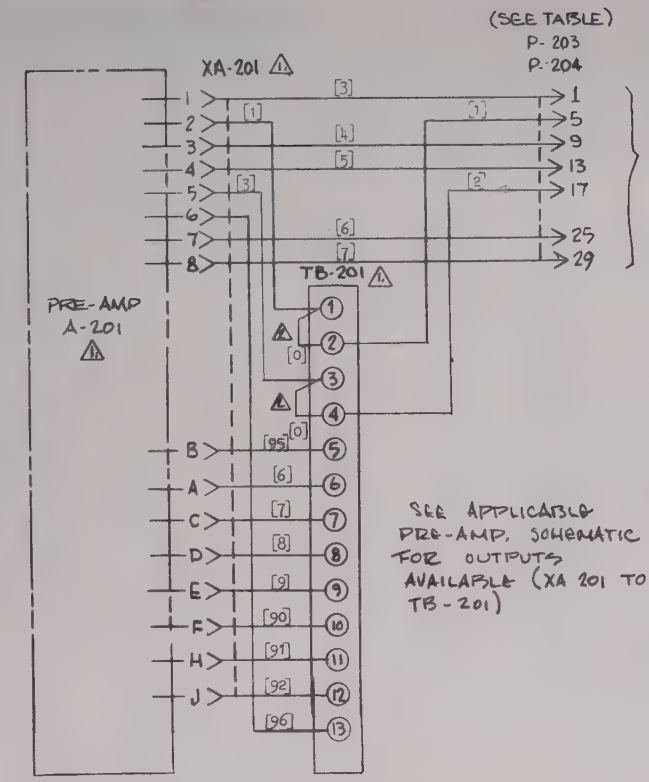


FIGURE 1-5 GOULD PRE-AMP CAGE

REVISIONS			
SYM	DESCRIPTION		DATE
A-1	ADDED WIRE FROM XA-201 PIN-6 TO TB-201 PIN-13 DCN24759 D.BAILEY		10-30-78
A-2	ADDED NOTE 3.	P.MILLER	
A-3	ADDED WIRE COLORS DCN/24759		
B-1	REVISED NOTE-2 DCN 24927 D. BAILEY		1-5-78



CONNECTORS TO RECORDER SEE APPLICABLE 2000 SERIES RECORDER SCHEMATIC

SEE APPLICABLE PRE-AMP. SCHEMATIC FOR OUTPUTS AVAILABLE (XA 201 TO TB-201)

- TABLE -

CHANNEL	P-203 TERM. USED						
1	1	5	9	13	17	25	29
2	2	6	10	14	18	26	30
3	3	7	11	15	19	27	31
4	4	8	12	16	20	28	32
	P-204 TERM. USED						
5	1	5	9	13	17	25	29
6	2	6	10	14	18	26	30
7	3	7	11	15	19	27	31
8	4	8	12	16	20	28	32

3. [ ]= E.I.A. WIRE COLOR CODE

⚠2 JUMPERS BETWEEN 1 & 2 AND 3 & 4 OF TB-201 THRU TB-208 MUST BE REMOVED WHEN USED WITH 11-1605-14 INPUT/OUTPUT PANEL ASS'Y., ONLY IF FLOATING INPUT TO DRIVE AMPL. IS REQ'D. MAINTAIN JUMPER BETWEEN 3 & 4 ON ANY CHANNEL REQUIRING SINGLE ENDED, GROUNDED INPUT THRU J-2 OF 11-1605-14.

⚠1 CHANNEL 1 TYP. OF 8 CHANNELS.

DRAWN	DATE	NAME	Gould Inc Instruments Division Cleveland Ohio 44114 U.S.A.
	8/78		
	8/78		
	8/78		
		CODE IDENT 96795	SIZE G
			DWG NO 292226

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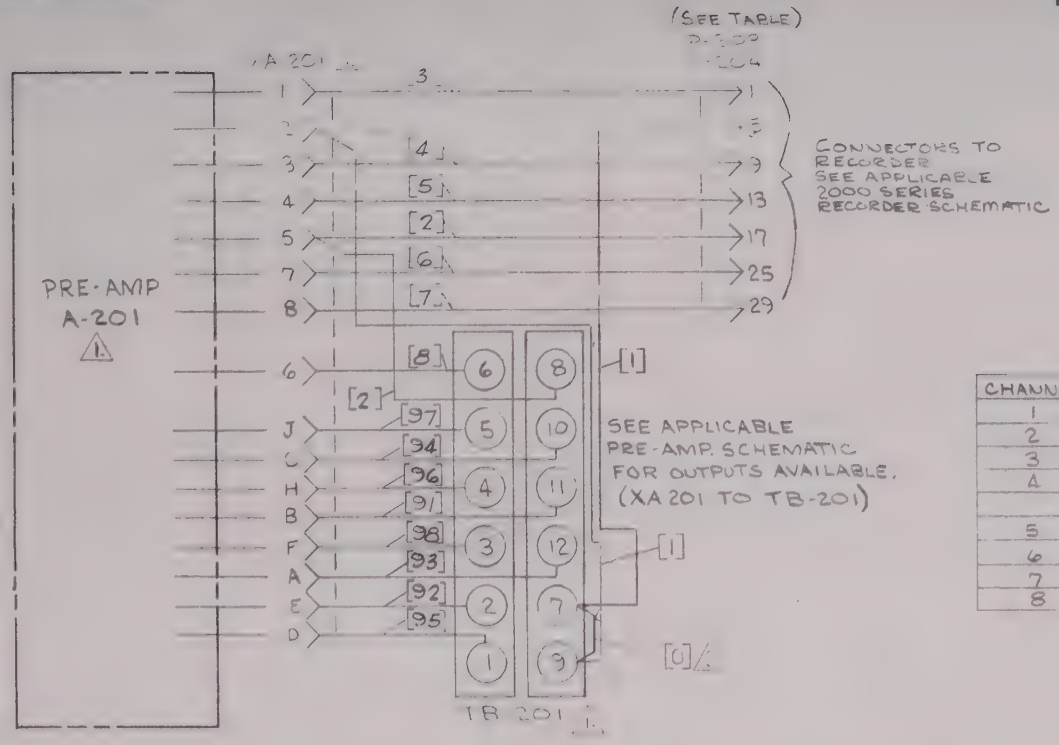
REVISIONS		
SYM.	DESCRIPTION	DATE
A-	ADD [ ] WIRE FROM XA-201 PIN 2 TO TB-201 PIN 9 DCN 26972	2-21-80
B-	REVISED WIRING PICTORIALLY PER DCN 27871/A SOTERCS	3-20-81



CHANNEL	P203 TERM. USED						
1	1	5	9	13	17	25	29
2	2	6	10	14	18	26	30
3	3	7	11	15	19	27	31
4	4	8	12	16	20	28	32
	P204 TERM. USED						
5	1	5	9	13	17	25	29
6	2	6	10	14	18	26	30
7	3	7	11	15	19	27	31
8	4	8	12	16	20	28	32

REQD	ITEM	PART NUMBER	DESCRIPTION	REMARKS	CML
		LIST OF MATERIAL			

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE PLATING
.XXX = ± .005 SURFACE FINISH
.XX = ± .015
.X = ± .06 ANGLES = ± 0° 30'

SEE WORKMANSHIP STD - TITLED "MFG. TOLERANCES & STD'S.." WHEN DESIRED INTENT IS NOT CLEARLY DEFINED ON DRAWING.

BY	DATE
DR.	
CH.	
APP.	

ADD. FIN.

NAME

FED. CODE NO. 96795

ISSUE CODE G

SCALE NONE

DWG. NO. 292500

Gould Inc.
Instrument Systems Division
Cleveland, Ohio 44114 U.S.A.

FIRST USE

⚠3. JUMPER BETWEEN 7 & 9 OF TB-201 MUST BE REMOVED WHEN USED WITH 11-1605-14 I/O PANEL ASS'Y.

2. [ ] = EIA COLOR CODE.

⚠1. CH. 1 TYPICAL OF 8 CHANNELS.

NOTES:

Form 2.19 1-76

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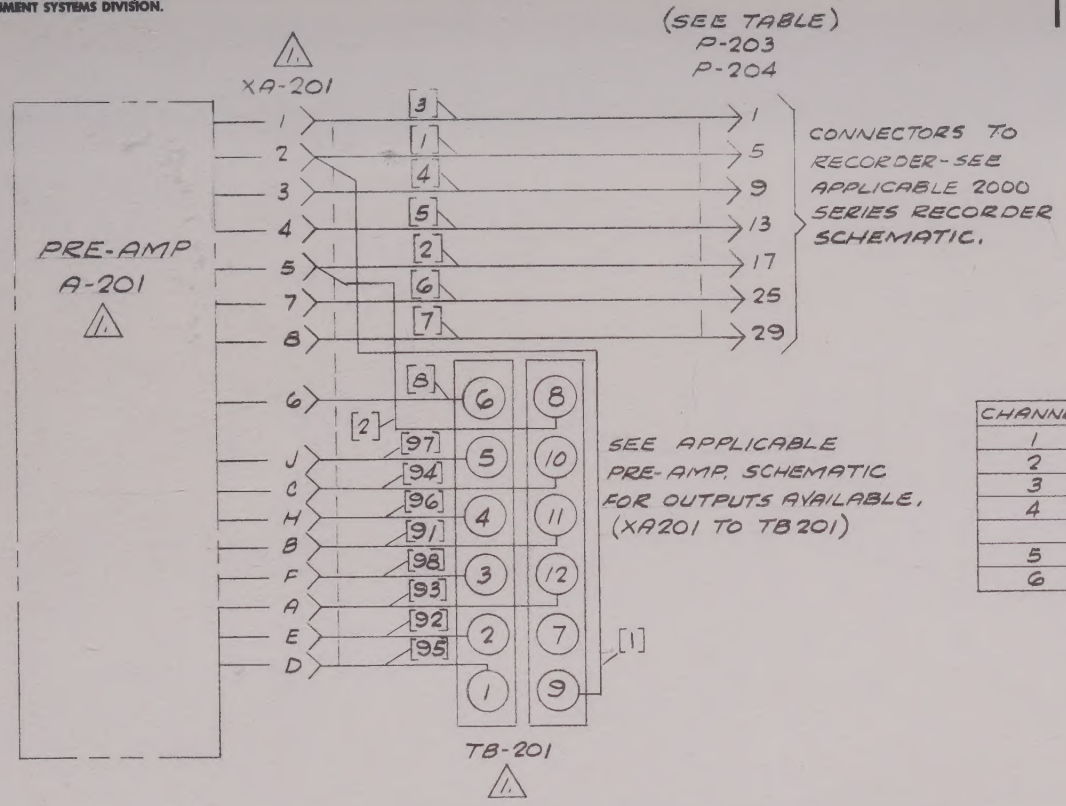
REVISIONS		
SYM.	DESCRIPTION	DATE
A-1	ADDED [1] WIRE FROM XA-201 PIN 2 TO TB-201 PIN 9 DCN 26072	P MILLER 2-21-80



CHANNEL	P203 TERM. USED						
1	1	5	9	13	17	25	29
2	2	6	10	14	18	26	30
3	3	7	11	15	19	27	31
4	4	8	12	16	20	28	32
	P204 TERM. USED						
5	1	5	9	13	17	25	29
6	2	6	10	14	18	26	30

2. [ ]=EIA COLOR CODE.

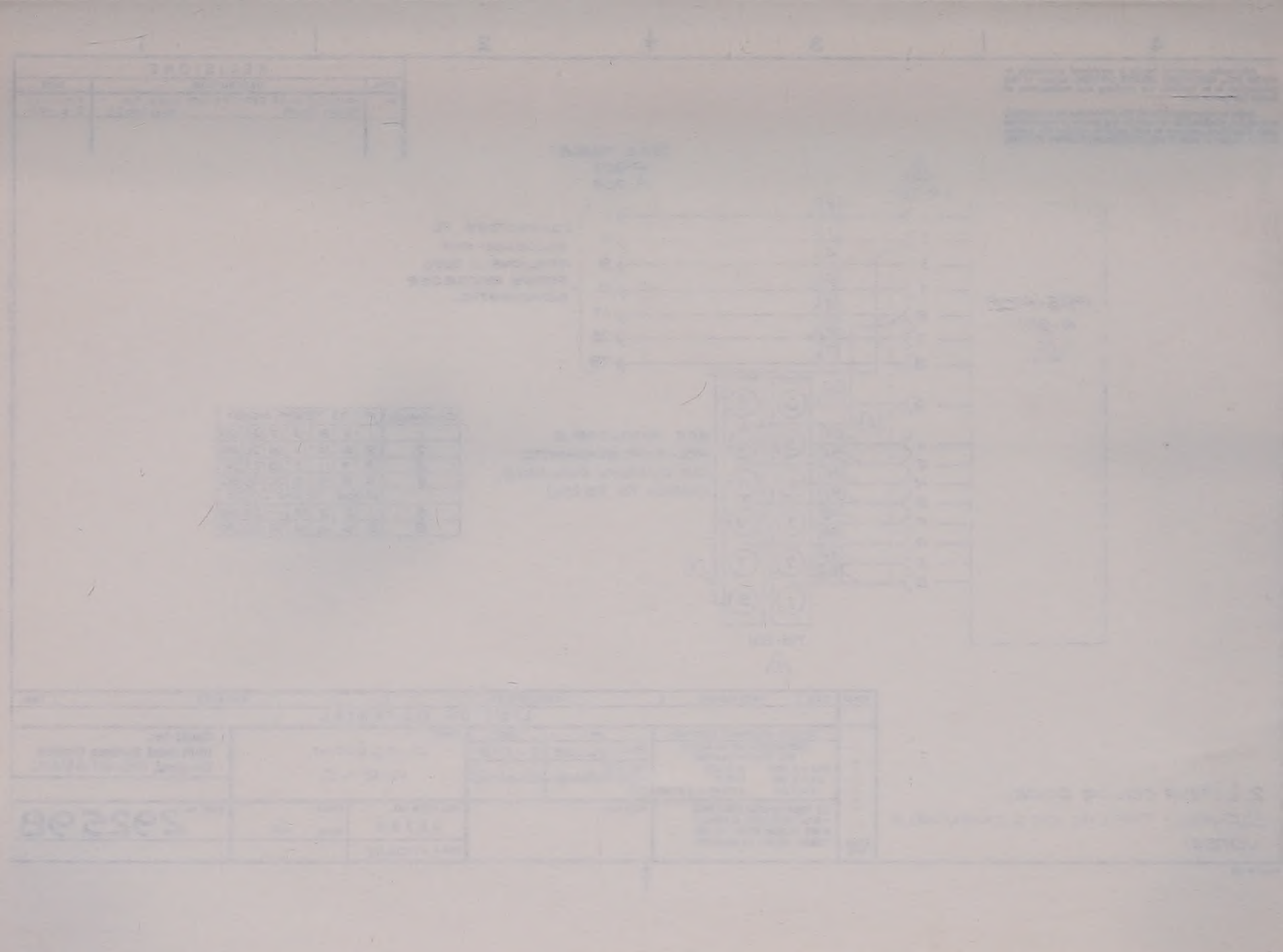
⚠1. CHAN. 1 TYPICAL OF 6 CHANNELS.

NOTES:

REQD	ITEM	PART NUMBER	DESCRIPTION	REMARKS	CML
			LIST OF MATERIAL		

11-1202-26 FIRST USE	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE PLATING .XXX = ± .005 SURFACE FINISH .XX = ± .015 .X = ± .06 ANGLES = ± 0° 30' SEE WORKMANSHIP STD-TITLED "MFG. TOLERANCES & STD'S.," WHEN DESIRED INTENT IS NOT CLEARLY DEFINED ON DRAWING.	BY / DATE DR. E. MILLER 2-13-79 CH. [signature] 12-20-79 APP. ADD. FIN.	NAME: DIAGRAM, WIRING FED. CODE NO. 96795 SCALE NONE	Gould Inc. Instrument Systems Division Cleveland, Ohio 44114 U.S.A. ISSUE CODE G	DWG. NO. 292598

Form 2.19 1-76



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